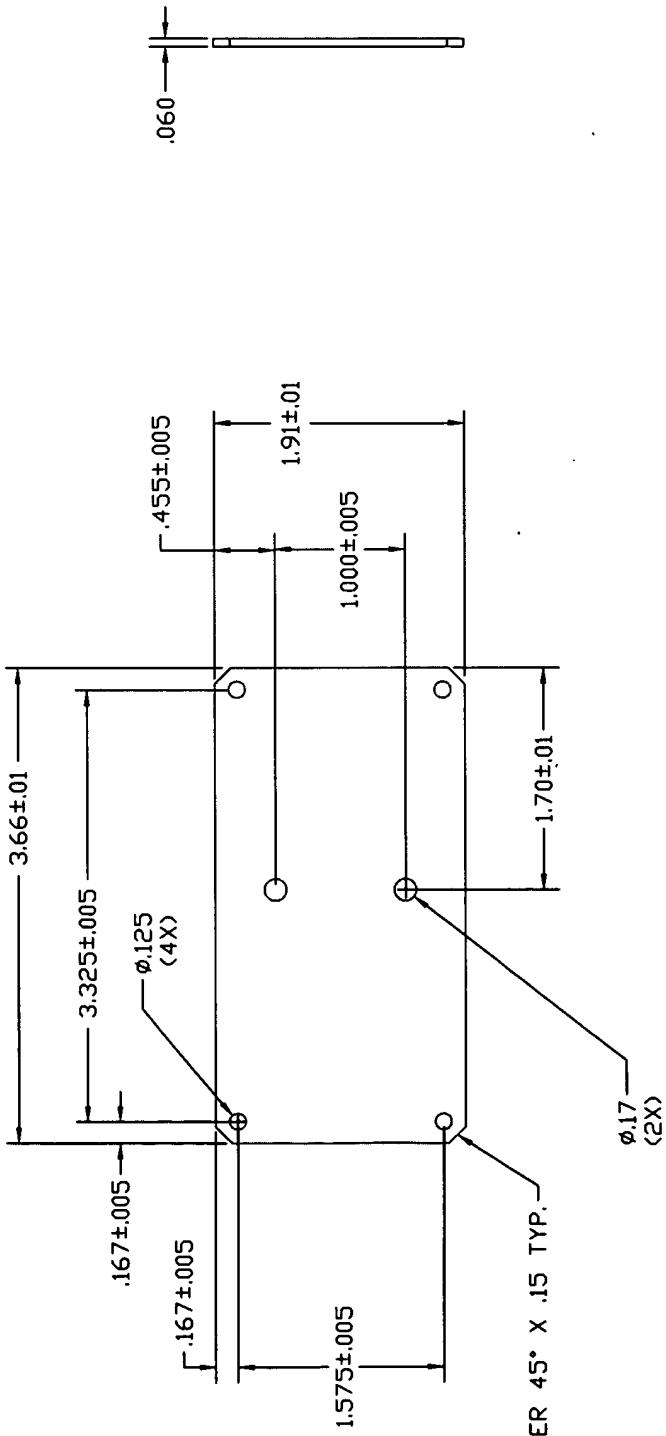


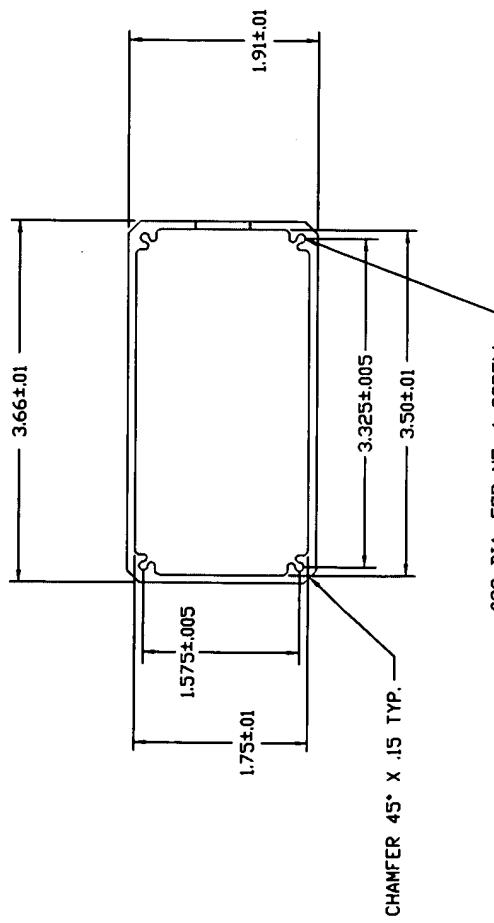
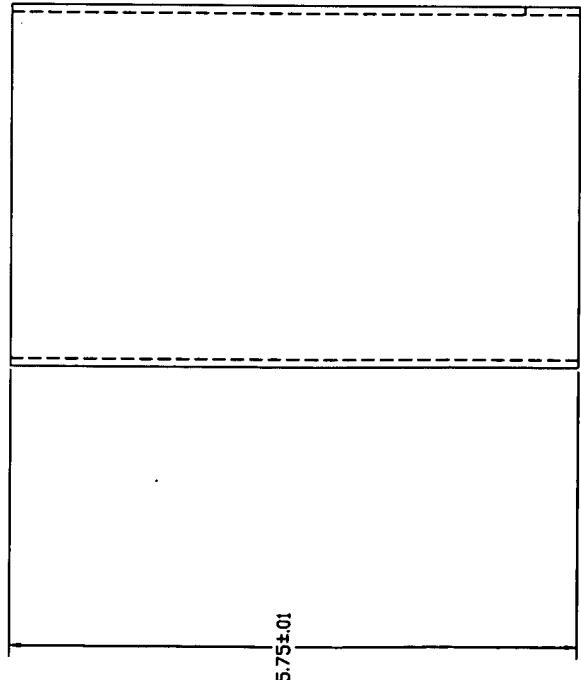
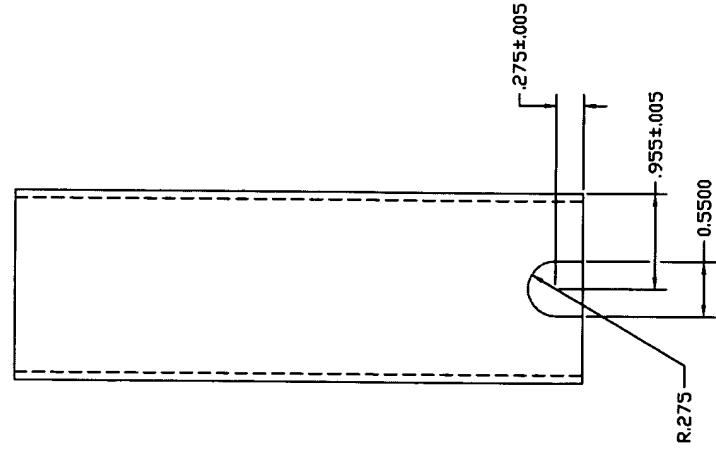
ECO	REV	DESCRIPTION	DATE
NOTES:			
1.		PART TO BE FREE OF OIL & DIRT.	
2.		PANEL TO BE FREE OF BURRS AND SURFACE DEFECTS.	
3.		USE STANDARD D-SUB PUNCH, TO BE PRE-APPROVED BY HPS.	
4.		PART TO TREATED PER AA-M10A232 COMMERCIAL GRADE SURFACE W/BLACK ANODIZE FINISH 0.0002" THICK, MIN.	
TOLERANCES UNLESS OTHERWISE SPECIFIED X.X = $\pm .1$ INCH X.XX = $\pm .01$ INCH X.XXX = $\pm .005$ INCH ANGLES = $\pm .5^{\circ}$ ◎ .005 TR BREAK ALL CORNERS 0.15 INCH MAX SURFACES ◎			
HPS Division MPS INSTRUMENTS, INC.			
BARATRON,BOTTOM COVER			
SHEET 1 OF 1		DRAWING NUMBER	REV
100010688		1	



ECO	REV	DESCRIPTION	DATE

DATE

ECO REV DESCRIPTION



ITEM	QTY	U/M	DESCRIPTION	ORGANIZATION	DOC	DRAWING NUMBER
TOLERANCES	1		The dimensions, tolerances, and other information contained in this drawing apply to the part as machined, assembled, and tested. The dimensions, tolerances, and other information contained in this drawing apply to the part as machined, assembled, and tested. The dimensions, tolerances, and other information contained in this drawing apply to the part as machined, assembled, and tested.	4-14-99	SCALE 1=1	REV 1
UNLESS OTHERWISE				S.KLUCKMAN	REVISION NA	
STATED				E. HARRIS	ENGINEER NA	
				J. BROWN	DESIGNER NA	
				M. DRAPEAU	DRAPERY NA	
L.D.C. = 1.01 INCH						
L.D.C. = 0.400 INCH						
ANGLES = 45°						
④ 0.05 TH						
OVER ALL LENGTH						
21.5 INCH MAX						
SURFACE V						
BARATRON, CASE				DRAWING NUMBER 100010690		
SHEET 1 OF 1				DRAFTED BY HPS DIVISION HARDWARE INSTRUMENTS, INC.		

ECO	REV	DESCRIPTION	DATE

ASSY, BODY, PIRANI / ATM

ITEM **QTY** **U/M** **DESCRIPTION**

8	2	EA	ADAPT,.50'OD TO .350'OD
5	1	EA	EL.BOW,.90BW,.50'D,304
4	1	IN	TUBE,CUT,.50'ODx265'L
3	1	EA	TEE,BV,.50'OD,304
2	2	EA	FLG,1/4 GLAND
1	2	EA	NUT,FEMALE,4VCR

ITEM **QTY** **U/M** **DESCRIPTION**

8	2	EA	ADAPT,.50'OD TO .350'OD
5	1	EA	EL.BOW,.90BW,.50'D,304
4	1	IN	TUBE,CUT,.50'ODx265'L
3	1	EA	TEE,BV,.50'OD,304
2	2	EA	FLG,1/4 GLAND
1	2	EA	NUT,FEMALE,4VCR

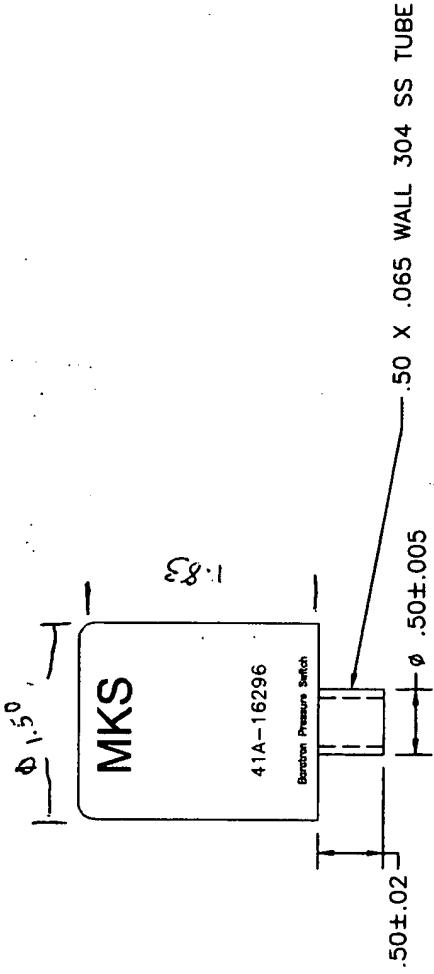
TOLERANCES
UNLESS OTHERWISE
SPECIFIED
X.X = ± .1 INCH
X.XXX = ± .005 INCH
ANGLES = ± 5°
◎ .005 TIR
BREAK ALL CORNERS
0.125 INCH MAX
SURFACES

DWG | 100010489
DWG | 1002390050
DWG | 100009312
DWG | 100231050
MS | 100003808
MS | 100003813

DOC | DRAWING NUMBER
SCALE | 1=1
ORIGINAL | SEAN K.
ENGINEER
REVISION
DRAFTER

HPS
DIVISION
MKS INSTRUMENTS, INC.

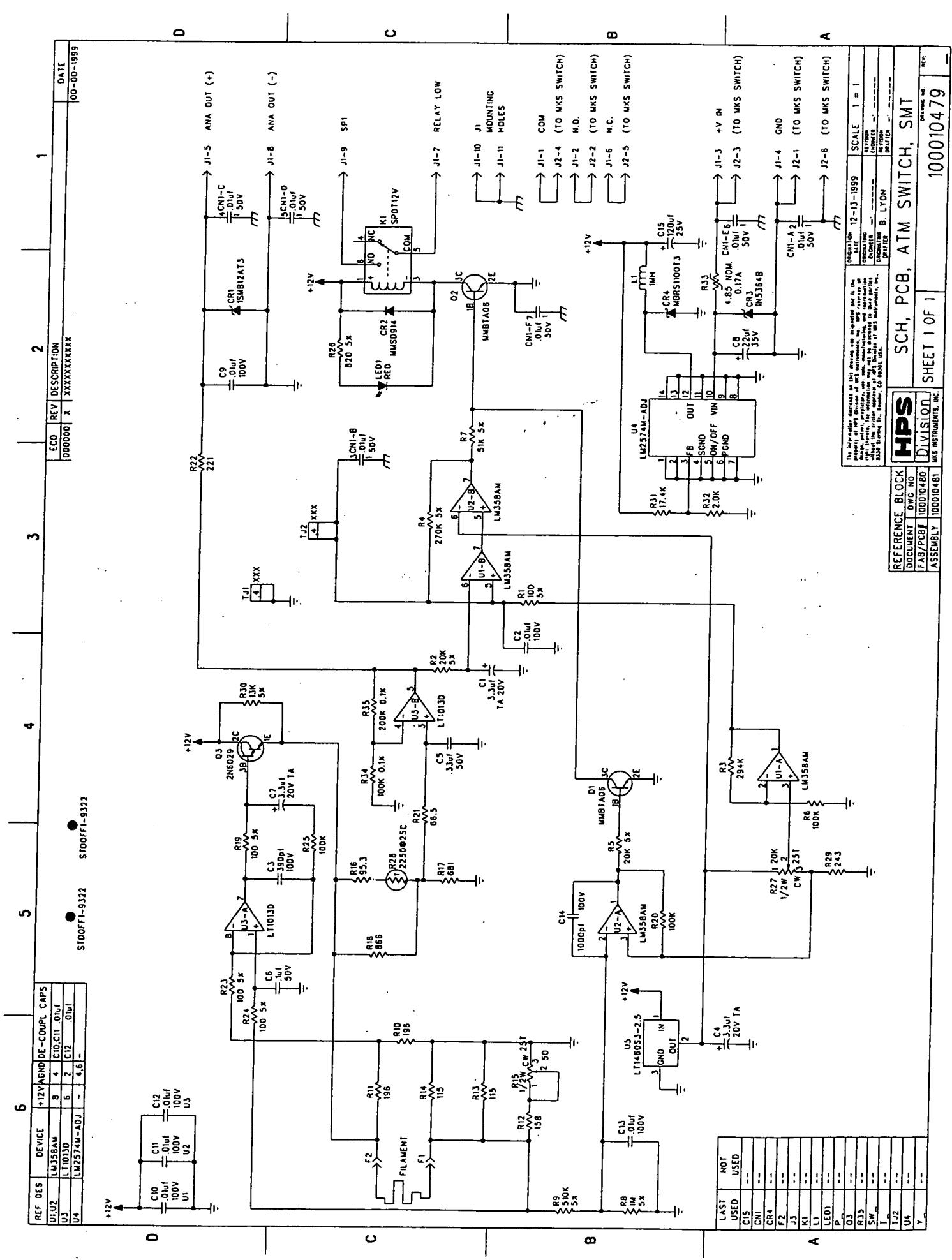
DRAWING NUMBER **REV**
PROTO 1

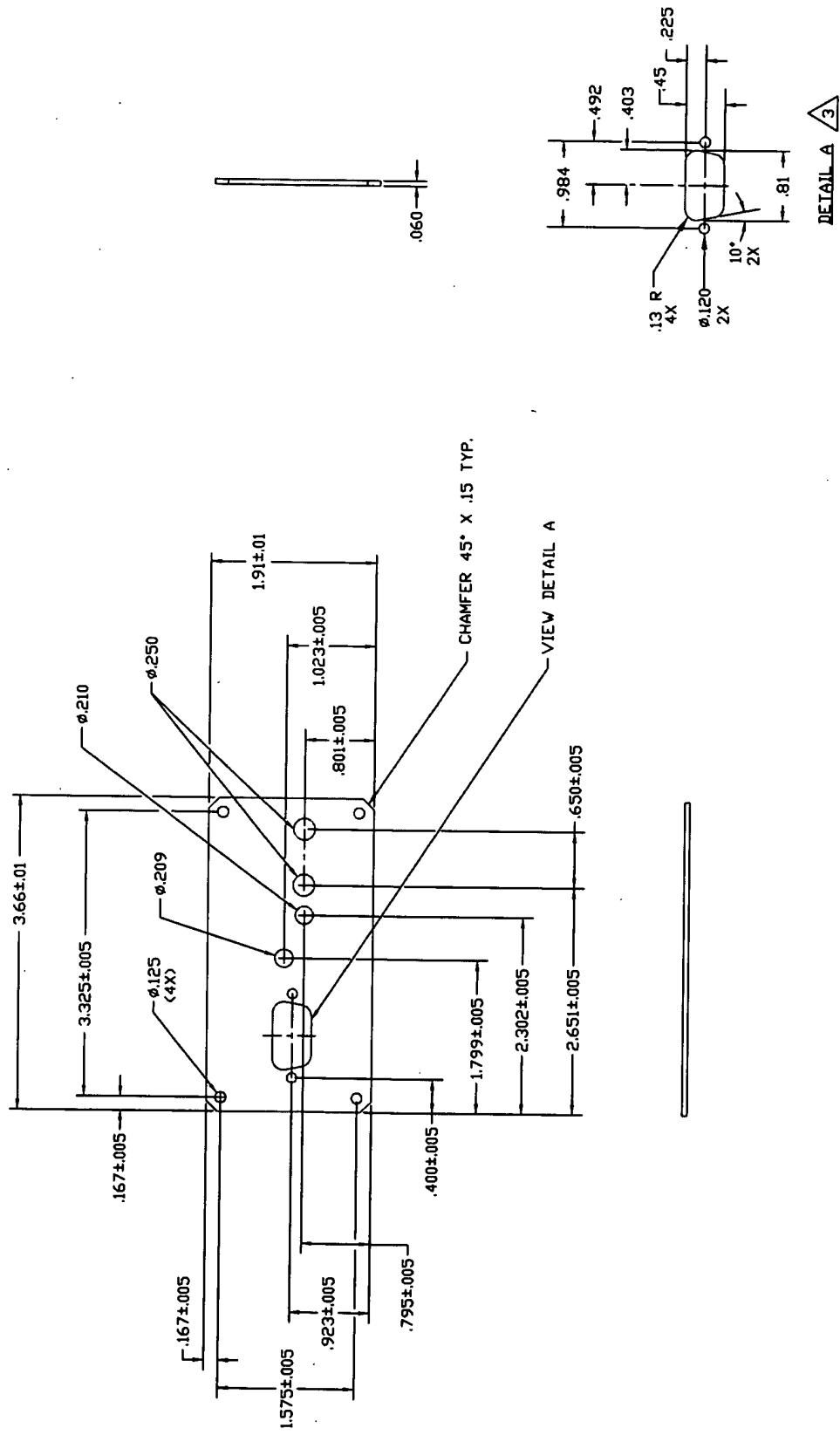


ITEM	QTY	U/M	DESCRIPTION	ORIGINATOR	DATE	SCALE	DOC	DRAWING NUMBER
TOLERANCES UNLESS OTHERWISE SPECIFIED			The information contained on this drawing was originated and is the property of HPS Division of MKS Instruments, Inc. HPS reserves all rights to this drawing and its contents. This drawing is to be reproduced or distributed without the written permission of HPS Division of MKS Instruments, Inc., 5530 Sterling Dr., Boulder, CO 80301, USA.	ORIGINATING J. MUELLER	8/26/99	1 = 1		
X.X = ±.1 INCH			ENGINEER N/A	ENGINEER N/A				
X.DX = ±.01 INCH			DRAFTER N/A	DRAFTER N/A				
X.DDX = ±.005 INCH								
ANGLES = ±.5°								
◎ .005 TIR								
BREAK ALL CORNERS								
.015 INCH MAX								
SURFACES								

HPS
Division
MKS INSTRUMENTS, INC.

BARATRON PRESSURE SW. MODIFIED
DRAWING NUMBER
REV
SHEET 1 OF 1 41A-16296 MKS SW. A



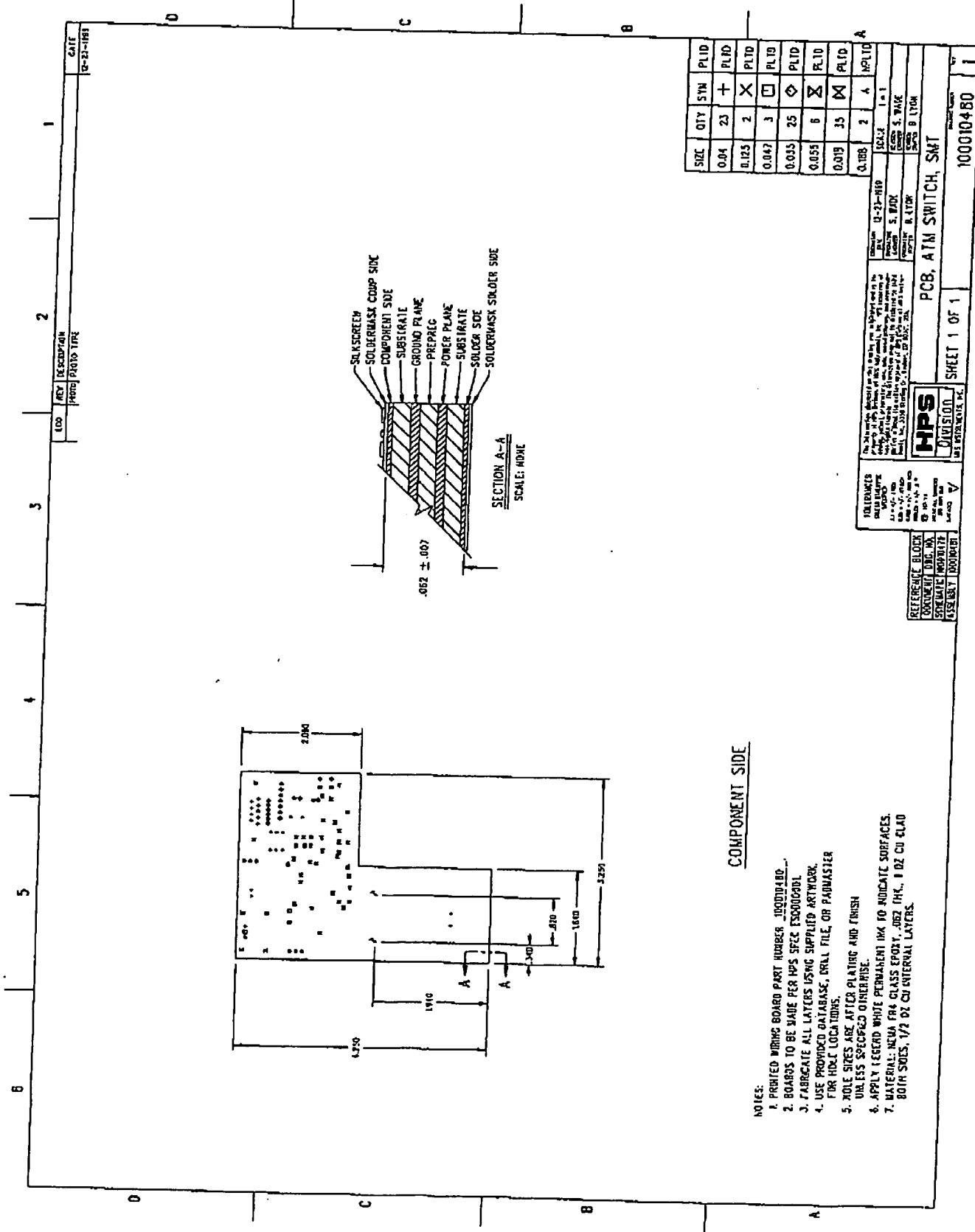


NOTES

1. PART TO BE FREE OF OIL & DIRT.
2. PANEL TO BE FREE OF BURRS AND SURFACE DEFECTS.
3. USE STANDARD D-SUB PUNCH, TO BE PRE-APPROVED BY HPS.
4. PART TO TREATED PER AA-M104/232 COMMERCIAL GRADE SURFACE (BLACK AND/OR WHITE) FINISHES, OR C-0027, WHICH UNDERSIDE IS TO BE POLISHED.

ITEM	QTY	U/N	DESCRIPTION	DOC	DRAWING NUMBER
TOLERANCES UNLESS OTHERWISE SPECIFIED			The dimensions given in this drawing are nominal. Deviations from these nominal dimensions are to be determined by the following tolerances. The information may be divided into three categories: 1) Tolerances to be applied to all dimensions, 2) Tolerances to be applied to specific dimensions, and 3) Tolerances to be applied to specific features. The tolerances are to be applied to the dimension as shown, unless otherwise specified.	12-21-99	SCALE: 1=1
ALL	± .1 INCH			NA	REVISION NA
ALL	+.00 -.0005			NA	REVISION NA
ANGLES	± 2°			NA	REVISION NA
④ ORO. TR. BOTH. AL. CORNERS 215 SURFACES				SAK	REVISION SAK
BARATRON, TOP COVER					REV 1
SHEET 1 OF 1					DRAWING NUMBER
100010689					REV

HPS
Division
MECHANICAL INSTRUMENTS, INC.



ECO	REV	DESCRIPTION	DATE

ITEM	QTY	U/M	DESCRIPTION	DOC	DRAWING NUMBER
9	1	EA	CLAMP,SENSOR,345	DVG	100009226
8	1	EA	TUBE,CUT,430DD,W/.50"FLR	DVG	100008240
7	1	EA	BARATRON,PRESSURE,SW. MD	MS	41A-16296
6	1	EA	ADAPT.,50°DD TO .350°DD	DVG	100010489
5	1	EA	ELBOW,.90BW,.570D,304	DVG	100239050
4	1	IN	TUBE,CUT,.50"DDx.255" L	DVG	100009212
3	1	EA	TEE,BV,.5"DD,304	DVG	10023T050
2	1	EA	FLG,1/4 GLAND	MS	100003868
1	1	EA	NUT,FEMALE,4VCR	MS	100003813

TOLERANCES UNLESS OTHERWISE SPECIFIED		ORIGINATOR	SCALE	REVISION
K.L.	$\pm .1$ INCH	1 - 7 - 00	1 = 1	ENGINEER
K.D.D.	$\pm .01$ INCH	S. KLUUECKMAN	REVISION	drafter
K.D.D.	$\pm .005$ INCH			
ANGLES	$\pm .5^{\circ}$			
(C) DO'S TIR	BREAK ALL CORNERS 0.15 INCH MAX SURFACES			

HPS		ASSY, BARATRON, BODY, ATM	
DIVISION HPS INSTRUMENTS, INC.		SHEET 1 OF 1	DRAWING NUMBER REV 1000010691 1

